



Atty. Dkt. No. 016761-0171

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

Applicant: Roy A. BLACK et al.  
Title: CRYSTALLINE TNF-a-CONVERTING ENZYME AND  
USES THEREOF  
Appl. No.: 10/784,300  
Filing Date: 02/24/2004  
Examiner: Not yet assigned  
Art Unit: Not yet assigned

**INFORMATION DISCLOSURE STATEMENT**  
**UNDER 37 CFR §1.56**

Mail Stop Amendment  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

Applicants submit herewith on Form PTO-1449 a listing of the documents cited by or submitted to the U.S. PTO in parent application Serial No. 09/244,984, filed February 4, 1999. As provided in 37 CFR §1.98(d), copies of the documents are not being provided since they were previously submitted to the United States Patent & Trademark Office in the above-identified parent application.

The submission of any document herewith, which is not a statutory bar, is not intended as an admission that such document constitutes prior art against the claims of the present application or that such document is considered material to patentability as defined in 37 CFR §1.56(b). Applicants do not waive any rights to take any action which would be appropriate to antedate or otherwise remove as a competent reference any document which is determined to be a *prima facie* art reference against the claims of the present application.

**TIMING OF THE DISCLOSURE**

The listed documents are being submitted in compliance with 37 CFR §1.97(b), before the mailing date of the first Office Action on the merits.

**RELEVANCE OF EACH DOCUMENT**

All of the documents are in English.

Applicants respectfully request that any listed document be considered by the Examiner and be made of record in the present application and that an initialed copy of Form PTO-1449 be returned in accordance with MPEP §609.

The Commissioner is hereby authorized to charge any additional fees which may be required regarding this application under 37 CFR §§ 1.16-1.17, or credit any overpayment, to Deposit Account No. 19-0741. Should no proper payment be enclosed herewith, as by a check being in the wrong amount, unsigned, post-dated, otherwise improper or informal or even entirely missing, the Commissioner is authorized to charge the unpaid amount to Deposit Account No. 19-0741.

Respectfully submitted, .

Date 27 July 2004

By Stephen A. Bent

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**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

Date Submitted: July 27, 2004

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**Complete if Known**

Application Number	10/784,300
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First Named Inventor	Roy A. BLACK et al.
Group Art Unit	Not yet assigned
Examiner Name	Not yet assigned
Attorney Docket Number	016761-0171

Sheet 1 of 3

**U.S. PATENT DOCUMENTS**

Examiner Initials*	Cite No. <sup>1</sup>	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code <sup>2</sup> (if known)			
	A1	5,594,106		BLACK, et al.	01/14/1997	
	A2	5,011,912		HOPP, et al.	04/30/1991	
	A3	5,702,935		SACCHETTINI, et al.	12/30/1997	
	A4	5,830,742		BLACK, et al.	11/03/1998	

**FOREIGN PATENT DOCUMENTS**

Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document			Name of Patentee or Applicant of Cited Documents	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T <sup>6</sup>
		Office <sup>3</sup>	Number <sup>4</sup>	Kind Code <sup>5</sup> (if known)				
	A5	EP	646599A2			04/05/1995		
	A6	WO	95/35367			12/28/1995		
	A7	WO	96/41624			12/27/1996		
	A8	WO	97/15588			05/01/1997		
	A9	EP	2306961A			05/14/1997		
	A10	WO	97/08300			03/06/1997		
	A11	WO	97/35538			10/02/1997		

**NON PATENT LITERATURE DOCUMENTS**

Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.) date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>6</sup>
	A12	BLACK, et al., <i>Biochemical &amp; Biophysical Research Communications</i> , 225: 400-405, (1996).	
	A13	BLACK, et al., <i>Nature</i> , 385: 729-733 (1997).	
	A14	BODE, et al., <i>FEBS Letters</i> , 331 (1,2): 134-140 (1993).	
	A15	GOMIS-RUTH, et al., <i>The Embo Journal</i> , 12(11) 4151-4157 (1993).	
	A16	GRAMS, et al., <i>Eur. J. Biochem.</i> , 228: 830-841 (1995).	
	A17	KAUFMAN, <i>Methods in Enzymology - Gene Expression Tech.</i> , Vol. 185, CHAP. 42, pp.: 537-566 (1990).	
	A18	LUNN, et al., <i>FEBS Letters</i> , 400: 333-335 (1997).	
	A19	MASKOS, et al., <i>Proc. Natl. Acad. Sci. USA</i> , 95: 3408-3412 (1998).	

Examiner Signature

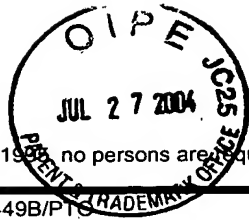
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Group Art Unit	Not yet assigned
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Attorney Docket Number	016761-0171

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**NON PATENT LITERATURE DOCUMENTS**

Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.) date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>6</sup>
	A20	MOSS, et al., <i>Nature</i> , 385: 733-736 (1997).	
	A21	NICHOLLS, et al., "Grasp: Graphical Representation and Analysis of Surface Properties." (Abstract TU-POS 189).	
	A22	ROOKE, et al., <i>Science</i> , 273, 1996, pp. 1227-1231.	
	A23	SAUDEK, et al., <i>Biochemistry</i> , 30, 1991, pp. 7369-7372.	
	A24	STOCKER, et al., <i>Protein Science</i> , 4, 1995, pp. 823-840.	
	A25	TANG, et al., <i>Biochemistry</i> , 35, 1996, pp. 8216-8225.	
	A26	TANG, et al., <i>Biochemistry</i> , 35, 1996, pp. 8226-8233.	
	A27	WOLFSBERG, et al., <i>Development Biology</i> , 180, 1996, pp. 389-401.	
	A28	BEMELMANS, et al., <i>Critical Review in Immunology</i> , 16, 1996, pp. 1-11.	
	A29	DIMARTINO, et al., <i>Inflammation Research</i> , 46, 1997, pp. 211-215.	
	A30	EVANS, J. <i>Mol. Graphics</i> , 11, 1993, pp. 127-128 and 134-138.	
	A31	GLUZMAN, <i>Cell</i> , 23, 1981, pp. 175-182.	
	A32	GOMIS-RUTH, et al., <i>J. Mol. Biol.</i> , 239, 1994, pp. 513-544.	
	A33	GOMIS-RUTH, et al., <i>Nature</i> , 389, 1997, pp. 77-81.	
	A34	HOPP, et al., <i>Bio/Technology</i> , 6, 1988, pp. 1204-1210.	
	A35	JONES, et al., <i>Nature</i> , 338, 1989, pp. 225-228.	
	A36	LUCKOW, et al., <i>Bio/Technology</i> , 6, 1988, pp. 47-55.	
	A37	ZHANG, et al., <i>Proc. Natl. Acad. Sci. USA</i> , 91, 1994, pp. 8447-8451.	

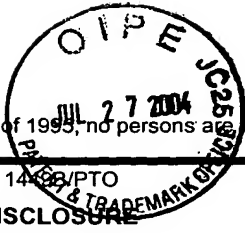
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	A38	Protein Engineering, Alan R. Liss, Inc., New York.	
	A39	CIRILLI, et al., FEBS Letters, 418, 1997, pp. 319-322.	
	A40	DECICCO, et al., Abstracts of Papers American Chemical Society, 1997, pp. MEDI 96, Vol. 214, No. 1-2.	
	A41	GOMIS-RUTH, et al., Protein Science, 7, 1998, pp. 283-292.	
	A42	RUTENBER, et al., Structure of a non-peptide inhibitor cocomplexed with HIV-1 protease. Journal of Biological Chemistry, 1993, Vol. 268(21), pp. 15343-15346.	
	A43	GILLILAND, et al., "Crystallization of biological macromolecules for X-ray diffraction studies" Current Opinion in Structural Biology, Vol. 6, 1996, pp. 595-603.	

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